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Communications and Information

**AMATEUR, CITIZENS-BAND,
BUSINESS-BAND, RADIO-TELEPHONE AND
LOW POWER COMMUNICATIONS DEVICE
OPERATIONS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes policy and procedures and defines responsibilities for use of privately owned radio transmitting devices at Vandenberg Air Force Base (AFB) and at other site specific locations owned and operated by the 30th Space Wing (30 SW). It applies to all personnel working and residing on Vandenberg AFB and at the remote locations operated by the 30 SW. **Attachment 1** is a Glossary of References, Abbreviations, Acronyms and Terms.

SUMMARY OF REVISIONS

The revision of this publication is to meet the format standards required by the Air Force. No content material has changed. Some required format changes have been made to allow for the conversion process.

1. Responsibilities:

- 1.1. The 30 SW Commander may restrict the use of radio transmitters that jeopardize government operations.
- 1.2. The 30th Range Squadron Commander directs the management of all radio frequency device operations on Vandenberg AFB, and at remote locations operated by instrumentation elements of the Western Range.
 - 1.2.1. Frequency Manager (30 MXS/MXRS, 734-8232, ext. 6-6695) directs the activities of the Range Operations, Maintenance, and Support Services Contract (ROMSSC) operated Frequency Control and Analysis Center (FCAC) in the implementation of this instruction.
 - 1.2.2. The Frequency Control and Analysis Center (FCAC) 734-8232, ext. 6-9247) implements frequency management and control activities to ensure compliance with this instruction.

1.3. The 30th Civil Engineering Squadron ensures all antennas installed at residence comply with the Care and Maintenance of Military Housing Guidelines.

1.4. The 30th Medical Group hospital personnel ensures portable RF devices are not used in proximity to patient care electronic equipment.

1.5. The 30th Contracting Squadron ensures the registration of all contractor operated RF devices is accomplished.

2. Policy. The 30 SW Radio Frequency Spectrum Manager; acting for the 30 SW Commander, is responsible for all electromagnetic radiation emanating from the installation and from those outlying activities hosted by the installation. All radio frequency operations must cease immediately when specifically directed to do so by the frequency manager or the FCAC.

3. Registration:

3.1. Resident and transient owners of amateur, citizens-band, radiotelephone, and cellular telephone transmitters, except for contractors doing business on Vandenberg AFB (Paragraph 3.2.) are not required to register them for use.

3.1.1. This requirement is subject to change.

3.1.2. Operators of this equipment must comply with posted NO TRANSMIT LOCATIONS (Paragraph 5.).

3.2. Contractors must register all radio communications devices that are used in the conduct of their business on Vandenberg AFB at other 30 SW operating locations. This includes land portable and mobile radios and cellular telephones.

3.2.1. The contracting officer registers the systems by providing radio frequencies and FCC assigned business radio call signs (cell phones excepted) to the Frequency Manager (30 MXS/MXRS).

3.2.2. The particulars of the area where the systems will be used are specified at the time of the request.

3.2.3. Use is restricted to those areas encompassing the job site only.

3.2.3.1. Use of mobile radio systems, including cellular radio telephones, enroute to the job site is permitted only in those areas not under restriction (Paragraph 5.).

3.2.3.2. Use of radio communications at the job site, within a designated "no transmit" area, is at the discretion of the Air Force official having purview over that specific facility or location and must be addressed in the contract work statement (SOW).

4. Low-Power Devices:

4.1. The use of FCC Part 15 low power communications devices is on a non-interference basis to licensed radio systems.

4.2. Low power devices must accept any radio frequency interference received.

4.3. The use of low power devices in an operational area or job site is at the discretion of officials controlling that specific location.

5. Restricted Areas of Operation. Use of a radio transmitter, including a cellular radio telephone, is restricted to preclude interference to government operations, and the inadvertent firing of ordnance in these areas:

- 5.1. All of Vandenberg AFB south of Highway 246 except for the cantonment area near the South Gate (13th Street).
- 5.2. On and west of Tangier Road from Space Launch Complex 2 (SLC 2); south to New Mexico Avenue.
- 5.3. On 13th Street, west of the junction of El Rancho Road and the Advanced Ballistic Reentry System (ABRES) Atlas pads.
- 5.4. On Bishop Road, east of Lompoc-Casmalia Highway (Vandenberg Tracking Station).
- 5.5. Within 500 yards of any convoy transporting ordnance.
- 5.6. Peacekeeper area, north and west of El Rancho Road.
- 5.7. Any area posted to specifically prohibit radio transmissions (such as at launch facilities).
- 5.8. 30th Medical Group Hospital Operations. Cellular phones or Land Mobil Radios (LMR) will be turned to the "off" position when within 20 feet of patient care electronic equipment. Interference could greatly impair patient care and/or health.

6. Residential Antennas. All residential antennas must comply with 30th Civil Engineer Squadron guidelines.

7. Violations. Violators must cease operation and remove all antennas associated with the radio transmitting equipment covered by this instruction.

- 7.1. All radio transmission devices while on Vandenberg AFB and at other 30 SW operating locations are subject to inspection and radio frequency radiation testing.
- 7.2. The operating privileges for any transmitting devices or components thereof that violate current FCC regulations may be canceled under Section 606 of the Communications Act of 1934; as amended.
- 7.3. All operators are expected to be self-policing and to report suspected violators to the Frequency Control & Analysis Center (FCAC), Bldg. 7011, 826 13th Street, Suite 302, which is manned 24 hours a day, 7 days a week, at 734-8232, ext. 6-9247.

8. Operations Security (OPSEC). Users of privately owned and operated radio equipment must not transmit missile operation or other sensitive information.

9. Security, Law Enforcement, and Emergency Services: are exempt from posted "no transmit" areas except for restrictions to ordnance and hypergol transport convoys, and within exclusion circles established by ground safety officials around launch facilities.

10. Modification, Suspension, or Cancellation of Instruction. The private use of radio transmitters may be further restricted or prohibited by order of the 30 SW Commander if officials suspect that government operations may be in jeopardy.

PAUL W. CURTIS, Colonel, USAF
Commander, 30 LG

Attachment 1

GLOSSARY OF REFERENCES, ABBREVIATIONS, ACRONYMS AND TERMS

References

AFI10-707, *Spectrum Interference Resolution Program*

30SWI33-102, *Radio Frequency Management*

AFI33-118, *Radio Frequency Spectrum Management*

Abbreviations and Acronyms

ABRES—Advanced Ballistic Reentry Systems

AF—Air Force

AFB—Air Force Base

AFI—Air Force Instruction

AFSPC—Air Force Space Command

CB—Citizens-Band

FACA —Frequency Control and Analysis Center

FCC—Federal Communications Commission

LMR—Land Mobil Radios

OPSEC—Operations Security

RANS—Range Squadron

RF—Radio Frequency

ROMSSC—Range Operations Maintenance and Support Services Contract

SLC—Space Launch Complex

SOW—Statement of Work

SW—Space Wing

SWI—Space Wing Instruction

Terms

Amateur (Service)—A radio communication service for the purpose of self training, inter communication and technical investigation carried out by amateurs, that is by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest (RR/FCC Part 97).

BusinessBand (Business Radio Service)—Radio Communications in support of a commercial (pecuniary) activity. (FCC Part 90.75).

Cellular Radio Telephone—See “Radio Telephone.”

Citizen’s Band (CB) Radio Service —The CB Radio Service is a private, twoway, shortdistance voice

communications service for personal or business activities. The CB Radio Service may also be used for voice paging. (FCC Part 95; Subpart D)

Interference (Electromagnetic)—The effect of unwanted energy due to one or a combination of emissions, radiation, or induction upon reception in a radio communications system; manifested by any performance degradation, misinterpretation, or loss of information that could be extracted in the absence of such unwanted energy. (RR)

Low Power Communications Device—(FCC part 15). A restricted radiation device, exclusive of those employing conducted or guided RF techniques, used for the transmission of signs, signals (including control signals), writing, images and sounds, or intelligence of any nature by radiation of electromagnetic energy. Examples: Wireless microphones, phonograph oscillators, baby monitors, wireless alarms, garage door openers, and radio controlled models. These types of systems must operate at power levels below one tenth of a watt (0.1W or 100 milliwatts) and are considered low power. These devices do not require a FCC license.

No Transmit Areas—Specific geographical locations where operation of the devices covered by this instruction are not permitted.

Radio Telephone—Portable or mobile (installed in vehicle) telephone. Also a “cellular phone.” Not a portable low power wireless phone (FCC part 15 Device). (CC Part 22—Public Mobile Service).

Radio Transmitter—A device that radiates radio frequency energy at specific frequencies.

RR—International Telecommunications Union Radio Regulations.

NTIA—National Telecommunications and Information Administration (Department of Commerce).